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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/511,760	10/19/2004	Hirohisa Miyazawa	029267.55527US	6723

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EXAMINER

WEISKOPF, MARIE

ART UNIT	PAPER NUMBER
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3661

DATE MAILED: 05/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/511,760	Applicant(s) MIYAZAWA, HIROHISA	
	Examiner Marie A. Weiskopf	Art Unit 3661	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 February 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,6-8,10,12 and 14-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) 1-2, 6-8, 10, 12, 14-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments, see pages 12-17, filed 2/2/06, with respect to the rejection(s) of claim(s) 1 and 2 under 102 (e) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of a different interpretation of the previously applied reference

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1, 2, 10 and 18 are rejected under 35 U.S.C. 102(e) as being anticipated by Sekiyama (US 6,427,115) discloses a portable terminal and on-vehicle information processing device comprising:

- In regard to claim 1, a display device which is a sub-device comprising:
 - A first arithmetic processing unit (Column 4, lines 30-32)
 - A display unit at which information is displayed as a bitmap (Column 4, lines 30-32)

- An interface unit that can be connected with an external information processing apparatus having a second arithmetic processing unit which executes a specific type of processing (Column 4, lines 30-32)
- The first arithmetic processing unit controls the display unit so as to display information related to the specific type of processing transmitted from the external information processing apparatus or on-vehicle device and also executes another type of processing related to the specific type of processing based upon an instruction provided by the external information processing apparatus. (Column 4, lines 59-67)
- The specific type of processing executed at the second arithmetic processing unit includes processing related to road guidance that contains current-position-detection processing with GPS signals. (Column 4, lines 1-5)
- The another type of processing executed at the first arithmetic processing unit includes at least either arithmetic processing for displaying a road map at the display unit or arithmetic processing for a route search. (Column 5, lines 1-12)
- In regard to claim 2, an information processing apparatus which is the main device comprising:
 - An interface unit that can be connected with a display device having a first arithmetic processing unit and a display unit controlled by the first

arithmetic processing unit, at which information is displayed as a bitmap
(Column 3, 62-67)

- A second arithmetic processing unit that executes a specific type of processing (Column 3, lines 62-67), wherein:
 - The second arithmetic processing unit issues an instruction to have the first arithmetic processing unit at the display device execute another type of processing related to the specific type of processing (Column 4, lines 1-29)
 - The specific type of processing executed at the second arithmetic processing unit includes processing related to road guidance that contains current-position-detection processing with GPS signals. (Column 4, lines 1-5)
 - The another type of processing executed at the first arithmetic processing unit includes at least either arithmetic processing for displaying a road map at the display unit or arithmetic processing for a route search. (Column 5, lines 1-12)
- In regard to claim 18, an information processing system comprising:
 - A display device which is the portable device
 - An information processing apparatus which is the on-vehicle device, wherein:
 - The information processing apparatus comprises an interface unit that can be connected with the display device and a second

arithmetic processing unit that executes a specific type of processing. (Column 3, 62-67)

- The display device comprises a first arithmetic processing unit, a display unit at which information is displayed as a bitmap, and an interface unit that can be connected with the information processing apparatus. (Column 4, lines 30-32)
- The second arithmetic processing unit issues an instruction to have the first arithmetic processing unit at the display device execute another type of processing related to the specific type of processing. (Column 4, lines 1-29)
- The first arithmetic processing unit controls the display unit so as to display information related to the specific type of processing transmitted from the external information processing apparatus or on-vehicle device and also executes another type of processing related to the specific type of processing based upon an instruction provided by the external information processing apparatus. (Column 4, lines 59-67)
- The specific type of processing executed at the second arithmetic processing unit includes processing related to road guidance that contains current-position-detection processing with GPS signals. (Column 4, lines 1-5)

- The other type of processing executed at the first arithmetic processing unit includes at least either arithmetic processing for displaying a road map at the display unit or arithmetic processing for a route search. (Column 5, lines 1-12)
- In regard to claim 10, which is an information processing system according to claim 18, wherein:
 - The information processing apparatus further includes a radio tuner (Column 4, lines 41-51)
 - The second arithmetic processing unit executes audio processing. (Column 3, lines 46-50)

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 6-8, 12, 14-17 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sekiyama (US 6,427,115).

- In regard to claims 6 and 7, Sekiyama fails to disclose a second display unit smaller in size than the display unit of the display device, however, this is purely a design choice. Sekiyama discloses the on-vehicle device and the portable device each being capable of having a display. (See Figure 1; Column 4, lines 23-29) It would have been obvious to one having ordinary skill in the art at the

time of the invention to make the display screen of the on-vehicle navigation unit smaller than the portable or display device because the main display screen is provided by the portable terminal. Also, Sekiyama does not explicitly state that the second display unit displays only a straight or bent arrow, however, it would have been obvious to one having ordinary skill in the art at the time of the invention not to display as much information on this screen in order to provide the user with clear information for the navigation.

- In regard to claim 8, Sekiyama fails to disclose the first arithmetic processing unit achieving a higher processing performance level than the second arithmetic unit, however, it would have been obvious to one having ordinary skill in the art at the time of the invention to have the first arithmetic processing unit which is part of the portable terminal achieve a higher processing performance level because the portable terminal is used completely separately from the second arithmetic unit, whereas the second arithmetic unit only runs with the first arithmetic unit connected to the apparatus.
- In regard to claim 12, Sekiyama discloses the information processing apparatus including a radio tuner (Column 4, lines 41-51) and the second arithmetic processing unit executing audio processing. (Column 3, lines 46-50)
- In regard to claim 14, Sekiyama discloses an information processing system comprising:
 - A first information processing apparatus that executes a first processing (Column 3, lines 62-67)

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- A display device that can be connected with the first information processing apparatus (Column 4, lines 41-51)
- The display device comprises a first arithmetic processing unit, a display unit at which information is displayed as a bitmap, and an interface unit that can be connected with the first information processing apparatus. (Column 4, lines 30-32)
- The first arithmetic processing unit controls the display unit so as to display information related to the first processing transmitted from the first information processing apparatus and also executes another type of processing related to the first processing based upon an instruction provided by the first information processing apparatus, when the interface unit is connected with the first information processing apparatus (Column 3, lines 46-50)

Sekiyama fails to disclose specifically the display device or portable terminal being capable of working with a second information processing apparatus. It would have been obvious to one having ordinary skill in the art at the time of the invention to allow any portable terminal of the system to work with any information processing apparatus and only executing the processing related to that information processing apparatus. The portable terminal or display device discussed by Sekiyama also serves as a portable telephone and it would be obvious to allow that portable telephone to work with any information processing

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apparatus or on-vehicle device in any car so that the user would be capable of driving any car and not just one car with one on-vehicle navigation apparatus.

- In regard to claim 15, Sekiyama fails to disclose the first arithmetic processing unit achieving a higher processing performance level than the second arithmetic unit, however, it would have been obvious to one having ordinary skill in the art at the time of the invention to have the first arithmetic processing unit which is part of the portable terminal achieve a higher processing performance level because the portable terminal is used completely separately from the second arithmetic unit, whereas the second arithmetic unit only runs with the first arithmetic unit connected to the apparatus.
- In regard to claim 16, Sekiyama discloses:
 - The specific type of processing executed at the second arithmetic processing unit includes processing related to road guidance that contains current-position-detection processing with GPS signals. (Column 4, lines 1-5)
 - The another type of processing related to the first processing executed at the first arithmetic processing unit includes at least either arithmetic processing for displaying a road map at the display unit or arithmetic processing for a route search. (Column 5, lines 1-12)
- In regard to claim 17, Sekiyama discloses the first information processing apparatus executes the second processing in addition to the first processing; the first processing includes processing related to road guidance and the second

processing includes processing related to audio. (Column 4, lines 1-29; Column 3, lines 46-50)

- In regard to claim 19, Sekiyama fails to disclose specifically the display device or portable terminal being capable of working with a second information processing apparatus. It would have been obvious to one having ordinary skill in the art at the time of the invention to allow any portable terminal of the system to work with any information processing apparatus and only executing the processing related to that information processing apparatus. The portable terminal or display device discussed by Sekiyama also serves as a portable telephone and it would be obvious to allow that portable telephone to work with any information processing apparatus or on-vehicle device in any car so that the user would be capable of driving any car and not just one car with one on-vehicle navigation apparatus.

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

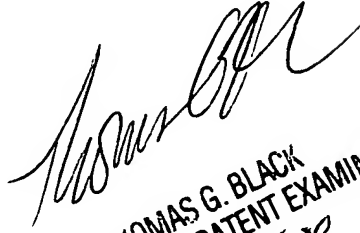
A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marie A. Weiskopf whose telephone number is (571) 272-6288. The examiner can normally be reached on Monday-Thursday between 7:00 AM and 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on (571) 272-6956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


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